

ABSTRACT

Method for producing a hybrid organic solar cell having the general structure

Substrate + EM/HTM/dye/SOL/EM, or

Substrate + EM/SOL/dye/HTM/EM, or

Substrate + EM/HTM/SOL/EM, in which

EM is the electrode material that may be a transparent conductive oxide (TCO) or metal, with at least one of the EM layer(s) of the cell being a TCO,

HTM is the hole transport material,

SOL is a semiconducting oxide layer,

“dye” is a suitable dye, and the SOL layer is vapor deposited.